

Monthly Operating Reports

Systems utilizing surface water and groundwater under the direct influence of surface water are required by regulation to submit Monthly Operating Reports (MOR). In an effort to simplify reporting forms and increase data entry efficiency, a new form has been developed to replace the 2005 version of the MOR. Instructions for the new form (Version 2009) are provided here.

Colorado Department of Public Health and Environment Monthly Operating Report (MOR) - Summary System Name: Treatment: Conventional/Direct PWSID: Monitoring Period (Month/ Year): State Assigned ID (Plant ID): Plant Address: City: Zip: Contact Name: Phone#:

Basic Info

The top of the form is for standard water system information such as: system name, treatment, PWSID, plant address, city, zip, contact name and phone number and monitoring period.

The monitoring period is the month and year in which the samples were collected.

The blank for **State Assigned ID (Plant ID)** should be filled with the 3-digit plant ID as assigned by the state. Please contact us if you need help identifying what code to input here.

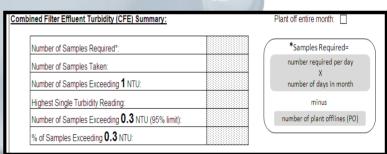
Combined Filter Effluent (CFE) Summary

This section has changed notably. Please make sure it is completed correctly.

 Number of Samples Required: This is the number of samples required per day multi-

plied by the number of days in the month and minus the number of PO's reported on the turbidity section of the data sheet.

- 2. **Number of Samples Taken:** This is the number of samples that were actually collected in the month.
- 3. **Number of Samples Exceeding 1 (or 5) NTU:** This is the maximum turbidity allowed according to the treatment used. Based on rounding rules, only include those results that are equal or greater than 1.5 (or 5.5).
- 4. **Highest Single Turbidity Reading:** Report the highest reading at any time, whether the result was reported on the data sheet or not. Do not include results collected during backwash, filter-to-waste or any other time water is not being produced for consumption.
- 5. **Number of Samples Exceeding 0.3 (or 1) NTU:** This is the 95% limit. The turbidity must be equal or less than this number for 95% of the month. This question is the <u>opposite</u> of what was asked on the 2005 version of the MOR. Based on rounding rules, do not include results that are less than 0.35 (or 1.5).
- 6. Plant off entire month: Please use this checkbox anytime the plant is off for the entire month.





Nonthly Operating Reports

(continued)

Individual Filter Effluent (IFT) Turbidity Section

This section applies to Conventional and Direct filtration plants only!

The questions are self-explanatory. Although the questions are slightly different, the requirements have not changed. Please complete the blanks after the questions whenever a filter profile or self-assessment are required for each filter.

Individual Filter Effluent Turbidity (IFT) Questions:	
Was each filter monitored continuously?	1. Yes No
Were measurements recorded every 15 minutes?	2 Yes No
3. Was there a failure of the continuously monitoring equipment?	3. 🗌 Yes 🔲 No
4. Was individual filter level greater than 1.0 NTU in two(2) consecutive measurements?	4. □Yes. □ No:
If yes to #4 filter profile must be completed.	
5. Was individual filter level greater than 0.5 NTU in two(2) consecutive measurements after	5. 🗌 Yes: 🔲 No:
on-line for more than four (4) hours? (Applies to systems with total population ≥ 10,000)	or N/A
If yes to #5, filter profile must be completed.	
6. Was individual filter level greater than 1.0 NTU in two(2) consecutive measurements in	6. ☐Yes: ☐No:
three(3) consecutive months?	
If yes to #6, filter profile and filter self-assessment must be completed.	
7. Was individual filter level greater than 2.0 NTU in two(2) consecutive measurements	7. 🗌 Yes 🔲 No
(within 15 minutes) in two(2) consecutive months?	
If yes to #7, filter profile must be completed and Comprehensive Performance	
Evaluation (CPE) must be scheduled within 30 days.	
Filter number:	
Turbidity:	
Date filter profile completed:	
Date filter self-assessment completed:	

Entry Point Residual Disinfectant (EPRD) Summary: For Chlorine or Chloramine	State Assigned ID:
Free Total	
Number of Samples Required:	
Number of Samples Taken:	
Number of Samples under 0.2 mg/L (Federal level):	
If applicable, number of Samples under mg	/L (State Defined level):

Entry Point Residual Disinfectant (EPRD) Summary

Some systems have a State Assigned ID for their entry point. Please input a 3-digit ID code if you have been instructed to do so.

Please check the "Free" or "Total" box indicating

which type of analysis was conducted.

Number of Samples Required: Report the number of samples required per day multiplied by the number of days in the month.

Number of Samples under 0.2 mg/L: This is the federally defined minimum residual allowed. If at any time the residual drops below 0.2 mg/L, the system must notify the Water Quality Control Division as soon as possible or by the end of the next business day. Please call 303-692-3519 or 303-692-3500 to report low residuals.

Some systems have a **state defined** minimum residual. If you have been instructed that your minimum residual must be greater than the federal minimum (0.2 mg/L), please fill in the last blank.

Additional Information

The data sheet portion of the form is largely the same. An electronic copy of the form is available upon request. The electronic copy has added features that auto calculate and populate many of the summary section blanks; and the electronic copy will show a violation flag for any potential violations being reported. Systems are encouraged to use the electronic copy for improved accuracy.

For additional information or questions, please call the Surface Water Treatment Rule Manager at 303-692-3519.